



ACS Division of Energy & Fuels

## 2015 Fall Newsletter

<http://web.anl.gov/PCS/ENFL/>

### Letter from the Chair



Many of you attended the 250<sup>th</sup> ACS national meeting at Boston, August 16-20, 2015. There was a very successful ENFL program in the meeting. Thanks to the outstanding effort by Alissa Park, our 2015 program chair. The ENFL program contains 437 papers presented in 47 oral sessions and 1 poster session. It covers a broad ranges of energy-related topics: “Biofuels for Powering the World”, “Advances in Analytical Methods for Petroleum Upstream Applications”, “Solar Energy and Solar Cells”, “Advances in Ceria Based Catalysis”, “Chemical Looping Innovation for Low-carbon Energy”, “Innovative Electrochemical Energy Storage”,

“Innovative Chemistry & Electrocatalysis for Low-carbon Energy & Fuels”, “Porous Materials for Energy & Sustainability”, “Innovative Utilization Pathways for Natural Gas”, “Mesoporous Zeolites”, and “Carbon Management”. Furthermore, there were also two award symposia to honor Ripudaman Malhotra (the winner of the 2015 Storch Award) and Dr. Phillip E. Savage (the winner of 2015 Energy & Fuels Joint Award), respectively.

ENFL division initiated the sustainable annual USA-China symposium on energy with the American Institute of Chemical Engineers (AIChE) and Shanghai Energy Research Society (SERS). It is alternatively held in USA and China. The first symposium was successfully held at the 248<sup>th</sup> ACS national meeting at San Francisco, August 10-14, 2014. It was the largest symposium (with 70 oral presentations) in the 2014 fall ENFL program. The second successful symposium with 155 presentations was held at Shanghai, China, June 26-28, 2015. The 3<sup>rd</sup> one will be

held at the 252<sup>nd</sup> ACS national meeting at Philadelphia, 2016. You are highly welcomed to present your research to the symposium.

Congratulations to recent winners of ENFL awards. Dr. Stuart Soled of ExxonMobil is the recipient for the 2016 ACS ENFL Distinguished Researcher Award in Petroleum Chemistry. An award symposium to honor Dr. Soled will be held in the 2016 ENFL spring program (at the 251<sup>st</sup> ACS national meeting at San Diego). Dr. Javier Garcia Martinez from University of Alicante (Spain) was selected for the 2015 Emerging Researcher Award. Dr. Andrew B. Holmes from University of Melbourne won the Glenn award for best paper at the 2015 ENFL Spring meeting.

We have an excellent team of volunteers as ENFL officers and symposium organizers who dedicated service to our division. I would like to thank all of them: (1) the program chairs, preprint editors, and symposia organizers as well as program committee members for their great efforts in developing excellent ENFL programs; and (2) the secretary, treasurer, councilors, trustees, award chair, newsletter editor, past chairs, and chair-elects for their great contributions to the successful operation of the ENFL Division.

Finally, I wish you all the best and look forward to seeing you at San Diego.

Yun Hang Hu

2015 Chair, ACS Energy and Fuels Division

### **2015 ACS Fellows (ENFL member)**

ENFL member Mike Serio was inducted into the Class of 2015 ACS Fellows

#### **Mike Serio, Advanced Fuel Research, Inc.**

##### ***Contribution to the science/profession:***

Recognized for significant contributions to the understanding of the kinetics, mechanisms, and modeling approaches for the behavior of renewable and fossil materials in thermochemical conversion processes.

##### ***Contribution to the ACS community:***

Held leadership positions in the Division of Fuel Chemistry (Chair, Program Chair, and Program Secretary), now the Division of Energy and Fuels, and was Head Trustee during a period of significant growth in the Division Trust Fund.



Linda Brazdil-ACS Fellow (Cleveland Local Section-left) and Mike Serio-ENFL division member and Trustee (right).

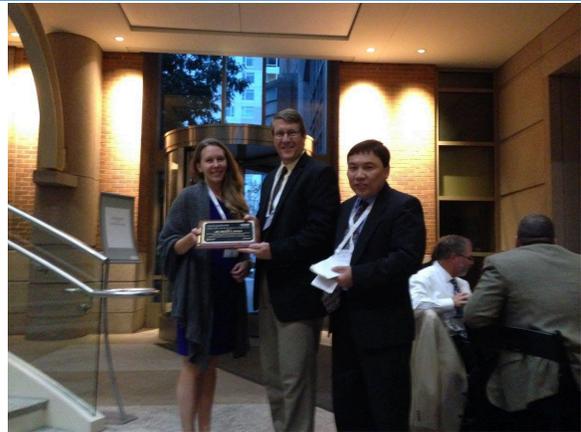
The ENFL dinner was held at Morton's Steakhouse, Boston, MA. It is always a great time to catch up with colleagues and honor the career and scientific achievements of ENFL members.

Andy Herring ( was honored for the 2015 Distinguished Service Award. Andy has served many years previously in the former FUEL division as secretary, program chair and Chair, and was a major contributor to the successful merger of PETR and FUEL division in 2012.

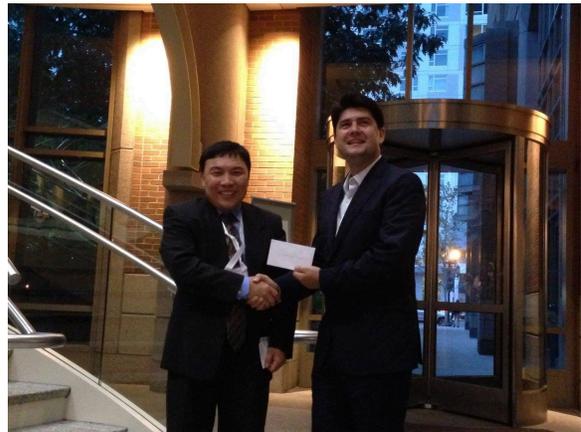
Ripu Malhotra (SRI International, Inc) was the recipient of the 2015 Storch Award.



(L-R) Randy Winans, Ripu Malhotra, and Yun Hang Hu.



Phillip Savage (center) of Penn. State, College of Engineering, received the first Energy and Fuels Joint Award for Excellence in Publication



Javier Garcia Martinez (right) receives the Emerging Research award from 2015 Chair, Yun Hang Hu (left) .



Some of the many Women in ENFL



### Election results for 2016

Chair-elect: Mike Reynolds (Shell)  
Treasurer Kristi Fjare (Phillips 66)  
Councilor: Semih Eser (Penn State Univ)  
Councilor: Kathleen Carrago Gregar  
(Argonne National Laboratory)  
Director-at-Large: Alan Chaffee (Monash  
University)



### Division Stats:

ENFL Membership is 2,613, which makes ENFL a class II Division (2000-3499 members). 1,844 are regular members (71%), 360 are student members (14%) 45 are retired, with 122 emeritus members / The average age is 53, 16% are female membership. We remain highly international with 24% international membership. The bulk of these members are from Canada (92), Japan (64), China (92), UK (45), and Australia (36). We have members in at least 46 nations. Our members overlap with the divisions of IEC (349), CATL (340), ENVR (183), CELL (163), and INOR (155).